WE CLAIM:

1. A process for producing crystalline Form I of cabergoline, which process comprises the preparation of toluene solvate Form V of cabergoline having the XRD powder pattern of Figure 2 by "reverse addition" and its conversion into crystalline Form I of cabergoline.

2. A process according to claim I in which the reverse addition is the addition of toluene-cabergoline concentrate to cold heptane.

3. A process according to claim I in which the preparation of toluene solvate form V comprises dissolving raw cabergoline, or any mixture containing crystalline form of cabergoline including Form I crystals, in a suitable amount of a toluene at room temperature, adding the resulting concentrate to cold heptane at temperatures below -10 °C, keeping under agitation the vessel containing heptane at temperatures below -10 °C and controlling the intermittent addition rate for cabergoline concentrate to cold heptane in such a way that all the concentrate is not added in less than 2 hours, stirring the resulting solution containing solid cabergoline and converting the resulting solvate form V into cabergoline Form I by de-solvation and drying process.

4. A process according to claim 3 in which the suitable amount of toluene is from 2.5 to 4.0 g of toluene per gram of cabergoline.

5. A process according to claim 3 in which the suitable amount of toluene is about 3.5 g of toluene per gram of cabergoline.

6. A process according to claim 2 in which the solution containing solid cabergoline is stirred to a temperature below -10 °C for no more than three days.

7. A process according to claim 2 in which the resultant gel is quenched with cold heptane.

8. A process according to claim 2 in which the final drying is carried out by heating the solids of the solvate form V, reducing the ambient pressure surrounding the solids, or combinations thereof.

9. A process for producing solvate form V of cabergoline having the XRD powder pattern of Figure 1 which process comprises dissolving raw cabergoline, or any mixture containing crystalline form of cabergoline including Form I crystals, in a suitable amount of a toluene at room temperature, adding the resulting concentrate to cold heptane at temperatures below -10 °C, keeping under agitation the vessel containing heptane at temperatures below -10 °C and controlling the intermittent addition rate for cabergoline concentrate to cold heptane in such a way that all the concentrate is not added in less than 2 hours, stirring the resulting solution containing solid cabergoline and collecting the resulting solvate form V of cabergoline.

10. A process for producing crystalline Form I or crystalline Form V without the presence of any detectable amount of amorphous cabergoline, which process comprises suspending Form V or Form I crystals under moderate agitation in pure heptane at a temperature of from 45° to 60°C for about 4 to 20 hours.

11. A process according to claim 10 characterized in that very small quantities of toluene are also added to the suspension in heptane of Form V or Form I crystals.